



FILED VIA ECFS

June 27, 2019

Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, SW
Washington, DC 20510

Brian Hendricks
Government Relations
Nokia

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Re: *Notice of Ex Parte Presentation*, ET Docket No. 18-122; GN Docket Nos. 14-177 and 17-183; IB Docket Nos. 97-95 and 15-256; WC Docket No. 18-89; WT Docket No. 10-112

Dear Ms. Dortch:

During the week of June 24, 2019, Brian Hendricks and Jeffrey Marks, of Nokia, met with the following individuals:

- Aaron Goldberger, Acting Wireless and International Advisor to Chairman Ajit Pai (June 25, 2019);
- Commissioner Michael O’Rielly and Erin McGrath, Legal Advisor, Wireless, Public Safety and International, to Commissioner O’Rielly (June 27, 2019);
- Commissioner Brendan Carr and Will Adams, Legal Advisor to Commissioner Carr (June 26, 2019); and
- Commissioner Geoffrey Starks, William Davenport, Chief of Staff & Senior Legal Advisor for Wireless and International for Commissioner Starks, and Randy Clarke, Acting Legal Advisor for Wireline and Public Safety for Commissioner Starks (June 26, 2019).

In each meeting, Messrs. Hendricks and Marks briefly touched on a wide range of issues that are priorities for Nokia. The Nokia representatives voiced strong support for the Commission’s efforts to ensure robust 5G technical parameters in millimeter wave bands while protecting critical passive services adjacent to those next-generation wireless services. Nokia is working with government stakeholders to reach a consensus position for the upcoming World Radio Congress.

The Nokia representatives next stressed the need for the Commission to issue an order moving forward with repurposing mid-band spectrum in the 3.7-4.2 GHz range in the next couple months, regardless of the reallocation method on which it decides. Terrestrial wireless spectrum in the mid-band is critical to the United States keeping pace globally in the “Race to 5G.” Nokia outlined the most recent international developments where spectrum allocation and product development and deployment planning in mid-band continue ahead of the U.S. As a final note on spectrum, the Nokia representatives discussed their proposal for a change to technical rules in the 70/80 GHz band for 5G backhaul,¹ which would allow for smaller, lighter equipment and fill an urgent need for backhaul solutions for dense urban deployments where fiber infrastructure is not present.

Messrs. Hendricks and Marks also provided a briefing on Nokia’s advisory role to multiple officials and agencies in the U.S. government on how to secure 5G networks, offering technical assistance to the Commission as it continues to address this difficult issue.

Please contact the undersigned with any questions in connection with this submission.

Respectfully submitted,

/s/ Brian Hendricks

Brian Hendricks
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Jeffrey Marks
Head of Regulatory Affairs
North America

cc: Commission representatives listed above

¹ See, e.g., Letter from Jeffrey Marks, Nokia, to Marlene Dortch, FCC, WT Docket 10-53, *et al.* (filed June 18, 2019).